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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S) Venkitaraman, et al. GROUP ART UNIT: 2666
APPLN. NO.: 10/083,890 EXAMINER: Kevin C. Harper
FILED: February 27, 2002
TITLE: METHOD AND APPARATUS FOR PROVIDING IP MOBILITY FOR
MOBILE NETWORKS AND DETACHABLE MOBILE NETWORK
NODES

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Sir:

Responsive to the Office Action dated June 24, 2004, Paper No. 7, and Examiner's comments with regard thereto, please reconsider the above-entitled application in view of the remarks presented hereinafter.

Listing of the Claims begins on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

1
CM05034H

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 2. (canceled)

3. (previously canceled)

4. – 15. (canceled)

16. (currently amended) In a communication system supporting mobile IP, wherein a mobile node is operable to connect to a network infrastructure via one or more gateway routers, a method comprising the mobile node performing steps of:

determining that it is attached to a mobile gateway router associated with a mobile network wherein the mobile network is a home network of the mobile node;

determining a home address of the mobile gateway router;

obtaining a care of address comprising the home address of the mobile gateway router;

sending the care-of address to a home agent of the mobile node; and

maintaining a binding update list of one or more correspondent nodes that the mobile node has been communicating with.

17. (canceled)

18. (canceled)

19. (original) The method of claim 16, wherein the mobile node comprises a mobile router.

20. (original) The method of claim 16, wherein the mobile node comprises a mobile network node detached from a mobile network.

21. – 23. (canceled)